

Applicant : Sourabh Tewari  
Serial No. : 09/747,830  
Filed : December 20, 2000  
Page : 2 of 8

Attorney's Docket No.: 07844-488001 / P452

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method for processing an electronic document, the method comprising:

obtaining a first electronic document including a plurality of logical elements, each logical element having associated content with a visual appearance;

modifying the first electronic document by associating a respective marker attribute value with a marker attribute of each of the logical elements in the first electronic document, each respective marker attribute value being a value of the marker attribute of the content of the respective logical element;

generating a second electronic document by converting the modified first electronic document with the associated marker attribute values through a document conversion process that preserves the association of the marker attribute values and the content of the logical elements; and

using the marker attribute values of the content in the second electronic document to identify each of the plurality of logical elements in the second electronic document;

generating a third electronic document before associating a marker attribute value with each of the plurality of logical elements in the first electronic document, by converting the first electronic document through the document conversion process; and

using the marker attribute values in the second electronic document to identify logical elements in the third electronic document.

2. (Canceled)

Applicant : Sourabh Tewari  
Serial No. : 09/747,830  
Filed : December 20, 2000  
Page : 3 of 8

Attorney's Docket No.: 07844-488001 / P452

3. (Currently Amended) The method of claim [[2]]1, wherein each of the logical elements in the second and third electronic documents has a corresponding logical element in the first electronic document.

4. (Canceled)

5. (Original) The method of claim 1, wherein the document conversion process is a print process.

6. (Previously Presented) The method of claim 1, wherein generating a second electronic document comprises associating a different marker attribute value with content of each of the plurality of logical elements in the first electronic document.

7. (Previously Presented) The method of claim 1, wherein generating a second electronic document comprises associating a different marker attribute value with content of each logical element located within one same page of the first electronic document.

8. (Previously Presented) The method of claim 1, wherein the respective marker attribute value is a color value that is assigned to each respective logical element by coloring the content of each respective logical element.

9. (Original) The method of claim 1, wherein the first electronic document is an electronic document generated in a word processing application.

10. (Original) The method of claim 1, wherein the second electronic document is a PDF document.

Applicant : Sourabh Tewari  
Serial No. : 09/747,830  
Filed : December 20, 2000  
Page : 4 of 8

Attorney's Docket No.: 07844-488001 / P452

11. (Previously Presented) The method of claim 1, wherein:  
each logical element has a logical type, the logical type comprising at least one of a header, a paragraph, a text box, a list element, a table cell, or an image; and  
using the marker attribute values to identify logical elements in the second electronic document comprises identifying the logical elements in the second electronic document by converting the marker attribute values to logical types.
12. (Original) The method of claim 1, further comprising using the marker attribute values in the second electronic document to create a hierarchal structure for the plurality of logical elements in the second electronic document.
13. (Original) The method of claim 12, further comprising obtaining structural information from the first electronic document to create a hierarchal structure for the plurality of logical elements in the second electronic document.
- 14-15. (Canceled)
16. (Currently Amended) A computer program product, stored on a machine-readable medium, comprising instructions operable to cause a programmable processor to:  
obtain a first electronic document including a plurality of logical elements, each logical element having associated content with a visual appearance;  
modify the first electronic document by associating a respective marker attribute value with a marker attribute of each of the logical elements in the first electronic document, each respective marker attribute value being a value of the marker attribute of the content of the respective logical element;  
generate a second electronic document by converting the modified first electronic document with the associated marker attribute values through a document conversion process that preserves the association of the marker attribute values and the content of the logical elements; and

Applicant : Sourabh Tewari  
Serial No. : 09/747,830  
Filed : December 20, 2000  
Page : 5 of 8

Attorney's Docket No.: 07844-488001 / P452

use the marker attribute values of the content in the second electronic document to identify each of the plurality of logical elements in the second electronic document;

generate a third electronic document before associating a marker attribute value with each of the plurality of logical elements in the first electronic document, by converting the first electronic document through the document conversion process; and

use the marker attribute values in the second electronic document to identify logical elements in the third electronic document.

17-18. (Canceled)

19. (New) The computer program product of claim 16, wherein each of the logical elements in the second and third electronic documents has a corresponding logical element in the first electronic document.

20. (New) The computer program product of claim 16, wherein the document conversion process is a print process.

21. (New) The computer program product of claim 16, wherein to generate a second electronic document comprises to associate a different marker attribute value with content of each of the plurality of logical elements in the first electronic document.

22. (New) The computer program product of claim 16, wherein to generate a second electronic document comprises to associate a different marker attribute value with content of each logical element located within one same page of the first electronic document.

23. (New) The computer program product of claim 16, wherein the respective marker attribute value is a color value that is assigned to each respective logical element by coloring the content of each respective logical element.

Applicant : Sourabh Tewari  
Serial No. : 09/747,830  
Filed : December 20, 2000  
Page : 6 of 8

Attorney's Docket No.: 07844-488001 / P452

24. (New) The computer program product of claim 16, wherein the first electronic document is an electronic document generated in a word processing application.
25. (New) The computer program product of claim 16, wherein the second electronic document is a PDF document.
26. (New) The computer program product of claim 16, wherein:  
each logical element has a logical type, the logical type comprising at least one of a header, a paragraph, a text box, a list element, a table cell, or an image; and  
to use the marker attribute values to identify logical elements in the second electronic document comprises to identify the logical elements in the second electronic document by converting the marker attribute values to logical types.
27. (New) The computer program product of claim 16, further comprising instructions operable to cause a programmable processor to use the marker attribute values in the second electronic document to create a hierarchal structure for the plurality of logical elements in the second electronic document.
28. (New) The computer program product of claim 27, further comprising instructions operable to cause a programmable processor to obtain structural information from the first electronic document to create a hierarchal structure for the plurality of logical elements in the second electronic document.